H. C. HUBERT.

COMBINED TROUSERS HANGER, STRETCHER, AND CREASER.

APPLICATION FILED MAR. 29, 1916.

1,229,959. Patented June 12, 1917.

2 SHEETS—SHEET 1.

Fig. 1.

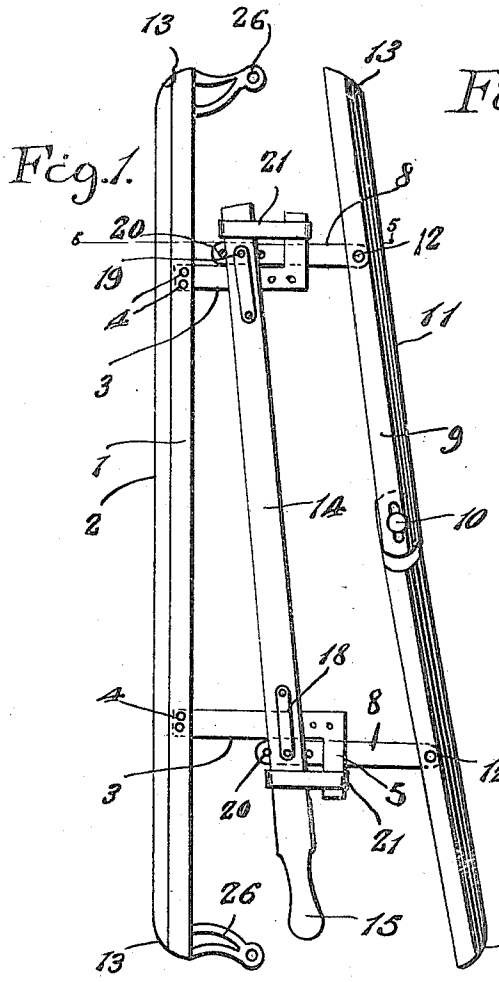


Fig. 6.

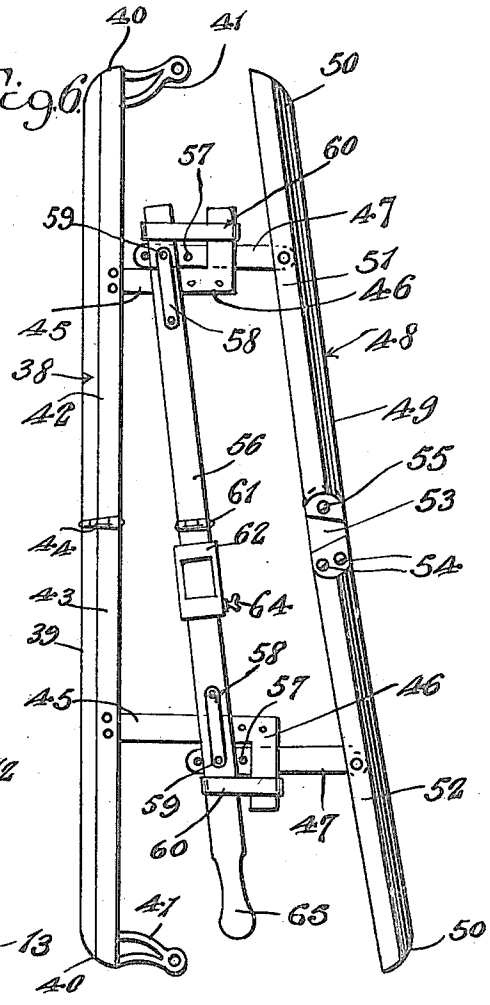


Fig. 3.

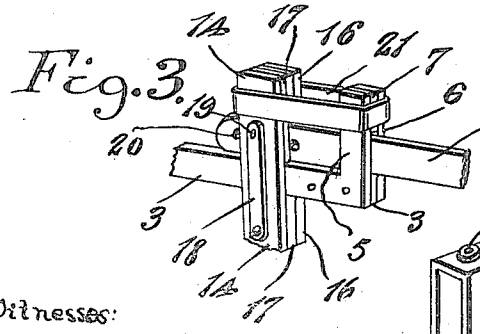


Fig. 8.

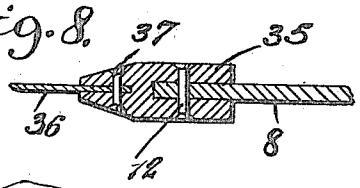
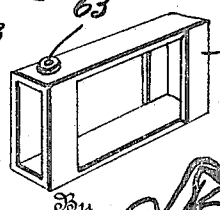


Fig. 7.



Witnesses:

J. P. Walker.

H. W. Davidson

Inventor

H. C. Hubert.

By A. Randolph & Co. Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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2 SHEETS—SHEET 2.

Fig. 2.

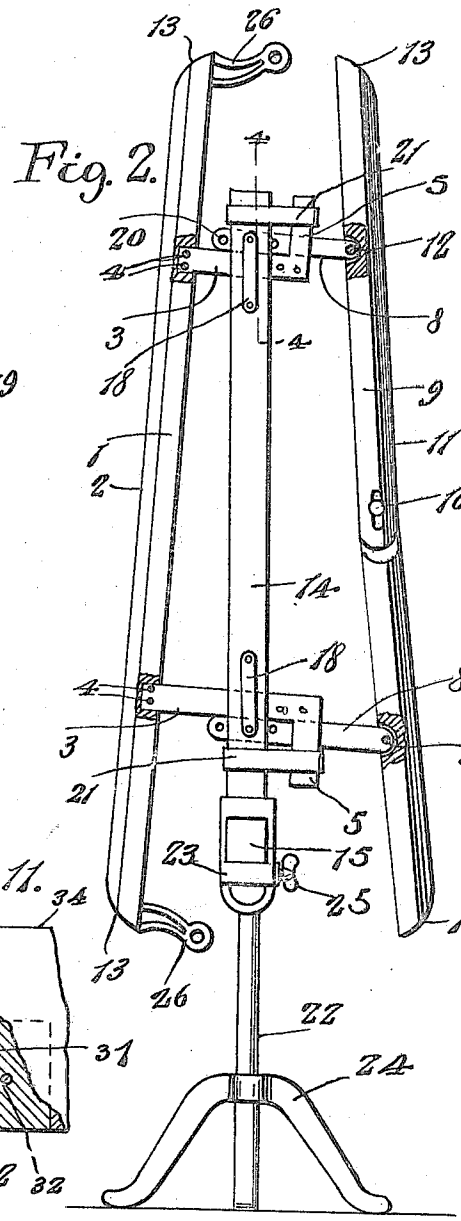


Fig. 4.

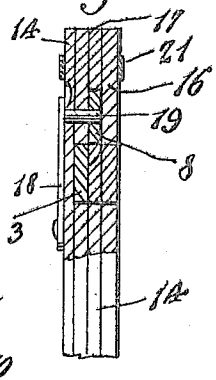


Fig. 9.

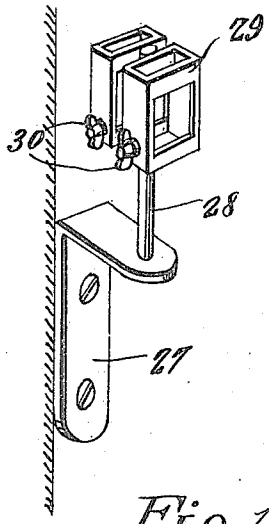


Fig. 11.

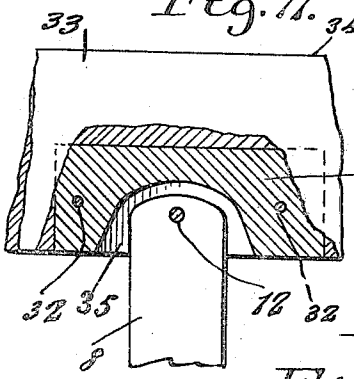


Fig. 10.

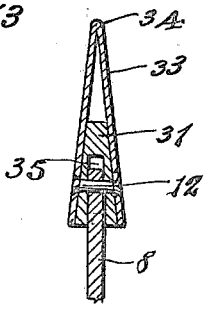
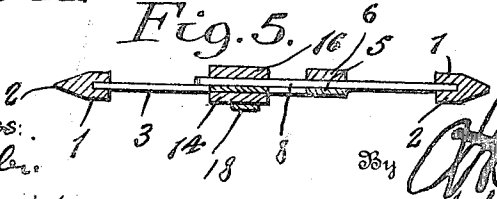


Fig. 5.



Witnesses:

J. P. Fable.

F. W. Davidson

Inventor

H. C. Hubert.

By A. Randolph Jr.

Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HENRY C. HUBERT, OF ST. LOUIS, MISSOURI.

COMBINED TROUSERS HANGER, STRETCHER, AND CREASER.

1,229,959. Specification of Letters Patent. Patented June 12, 1917.

Application filed March 29, 1916. Serial No. 87,508.

To all whom it may concern:

Be it known that I, HENRY C. HUBERT, a citizen of the United States, residing at St. Louis, in the city of St. Louis and State of Missouri, have invented certain new and useful Improvements in Combined Trousers Hangers, Stretchers, and Creasers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in a combined trousers hanger, stretcher and creaser and has for its primary object to provide a device capable of removing all wrinkles from a trousers leg and which will support the trousers leg in a flat and smooth condition, whereby it may be brushed or cleaned and creased simultaneously.

Another object of this invention is to provide a front creasing bar, having a pivoted rear creasing bar secured thereto, whereby a crease may be made in the front and rear of the trousers leg.

A further object of this invention is to provide a novel means of securing the rear creasing bar to the front creasing bar, which will provide a tension means to the creasing bars at all times and further allow the creasing bars to be adjusted in relation to each other for accommodating trouser legs of various sizes.

A further object of this invention is to provide the creasing bars of such construction that they will efficiently crease the leg portion of the trousers at the front and rear thereof, similar to the creases now made by ironing.

A still further object of this invention is the provision of a combined trousers stretcher and creaser of the above stated character, which will be simple, durable and efficient, and which may be manufactured and sold at a comparatively low cost.

With these and other objects in view as will become more apparent as the description proceeds, the invention consists in certain novel features of construction, combination and arrangement of parts as will be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawings, in which:—

Figure 1 is a front elevation of a combined trousers stretcher and creaser, constructed in accordance with my invention,

Fig. 2 is a similar view partly in section, illustrating a means of supporting the device,

Fig. 3 is a fragmentary perspective view of the means for securing the pivoted rear creasing bar to the front creasing bar,

Fig. 4 is a fragmentary vertical sectional view, taken on the line 4—4 of Fig. 2,

Fig. 5 is a longitudinal sectional view taken on the line 5—5 of Fig. 1, illustrating the shape of the creasing bars,

Fig. 6 is a front elevation of a modified form of my device, illustrating the creasing bars and a handle constructed of sections hinged together to allow the parts to be folded together,

Fig. 7 is a perspective view of a collar or sleeve for rigidly holding the handle of my modified form when in use,

Fig. 8 is a longitudinal sectional view, illustrating my modified form of creasing bars,

Fig. 9 is a perspective view, illustrating my modified form of support,

Fig. 10 is a longitudinal sectional view, illustrating the modified form of creasing bar structure, and

Fig. 11 is a fragmentary side elevation partly broken away to illustrate the means of connecting an arm to the modified form of creasing bar illustrated in Fig. 10.

Referring in detail to the drawings, the numeral 1 indicates a front creasing bar, having its outer edge beveled to provide a creasing edge 2. The bar 1 is provided with recesses in which are secured arms 3 by means of rivets 4. Secured to the ends of each of the arms 3 and extending at right angles thereto, are relatively spaced plates 5 and 6, being spaced apart by blocks 7 to provide spaces to receive adjusting arms 8. The plates 5 and 6 which are secured to the

ends of each of the arms 3 extend in opposite directions for a purpose which will be hereinafter more fully described.

A rear creasing bar 9 is constructed of two sections, one section being apertured and the other section slotted to receive a bolt 10 for hingedly and adjustably securing said sections together. The bar 9 is provided with its outer edge beveled to form a creasing edge 11 and its inner edge recessed at two points to receive the ends of the adjusting arms 8 which are pivoted therein by rivets 12. Each of the bars 1 and 9 are provided with their ends rounded or curved as illustrated at 13 to facilitate easy insertion or withdrawal of the bars 1 and 9 of a trousers leg. The bars 1 and 9 are each constructed of wood or metal and are each inserted in the leg of a pair of trousers, the bar 1 being positioned in the front of the trousers leg and the bar 9 in the rear thereof to form a crease in the front and rear of the trousers leg by means of the tension means which will be hereinafter more fully described. The bar 9 being constructed in two sections and pivoted together provides means whereby the device will automatically adjust itself to trousers legs of various shapes.

In order to keep the bars 1 and 9 under tension at all times in the trousers leg, an adjusting bar 14, having a handle 15 on one end is provided and adapted to overlie the arms 3. The bar 14 is provided with plates 16 spaced therefrom by blocks 17 adapted to slidably receive the attaching arms 8 after they have passed between the plates 5 and 6. Secured to the adjusting bar 14 are leaf springs 18, having pins 19 secured thereto, which extend through the adjusting bar 14 and engage in openings 20 which secure the adjusting arms 8 to the adjusting bar 14 and hold them against lateral movement in respect to the adjusting bar 14. The adjusting arms 8 are provided with a plurality of openings 20, whereby they may be adjusted laterally in respect to the adjusting bar 14, by raising upwardly upon the leaf spring 18, withdrawing the pins 19 and positioning them in another opening 20 along the adjustable arms 18. Secured around the plates 5 and 6 and the adjusting bar 14 and plates 16 are rubber bands 21 which cause a spreading action between the bars 1 and 9, efficiently stretching the trousers leg. The trousers leg may be moistened or dampened by a sponge upon the outer side thereof along the edges of the creasing bar 1, whereby upon drying of the trousers leg, a sharp crease will be made similar to the crease now made by ironing.

To stretch and crease both legs of a pair of trousers, one of the devices is inserted in each leg from the waist portion of the trousers and may be supported by a standard consisting of a shank 22, having a pair of brackets 23 to receive the handle 15 secured on one end and its opposite ends provided with legs 24 for resting upon the floor, the handle 15 being secured within the bracket by set screws 25. If desired suitable brackets 26 may be secured to the curved ends 13 of the bar 1, whereby the device may be hung on a hook from either end thereof.

Referring to Fig. 9 in which is illustrated a modified form of support consisting of an L-shaped bracket 27 being secured to the wall of a building and having a vertically extending shank 28 secured thereon, to which are secured brackets 29 for receiving the handle 15 of the devices. Suitable set screws 30 are carried by the brackets 29 securing the handle 15 therein.

Referring to Figs. 10 and 11, in which is illustrated a modified form, the creasing bars consist of a substantially wedge-shaped bar 31, which may be of wood or metal, having secured thereon by rivets 32, a metal strip, which is bent around the bar 31 to form a substantially triangular shaped member, the apex of which is adapted to form a creasing edge 34. The bar 31 is recessed as illustrated at 35 to receive one of the adjusting arms 8. The front and rear creasing bars may be constructed in accordance with the foregoing description and illustrations in Figs. 10 and 11 if desired.

Referring to the modified form of creasing bar as illustrated in Fig. 8, it consists of a bar 35, constructed of wood or metal, having its outer edge beveled and recessed to receive a creasing blade 36, which is secured therein by a rivet 37 passing through the bar 35. The bar 35 is provided with recesses to receive the adjusting arms 8.

Referring to Fig. 6 in which is disclosed the modified form of combined trousers stretchers and creasers, capable of being folded into a compact article, whereby the device may be placed into a suit case or traveling bag with trousers thereon or without the trousers, the device comprises a front creasing bar 38, having its outer edge beveled to form a creasing edge 39, and its ends 40 rounded to which are secured supporting brackets 41. The bar 38 is constructed of sections 42 and 43, being secured together by a hinge 44, whereby one section may be folded upon the other section. Secured to the bar 38 are arms 45, having plates 46 secured thereto and extending at right angles to slidably receive adjusting arms 47. A rear creasing bar 48 is pivotally secured to the adjusting arms 47 and is provided with its outer edge beveled to form a creasing edge 49 and its ends curved or rounded as illustrated at 50. The bar 48 consists of sections 51 and 52 and one of said sections having a piece of leather

53 secured thereto by rivets 54 and the section 51 pivotally secured to the opposite end of the piece of leather 53 by a rivet 55 to provide a flexible hinge which will allow the section 52 to move laterally of the section 51 and to allow the sections to be folded upon each other when desired. An adjusting bar 56 overlies the arms 45 and is provided with plates similar to the plates 16 in Fig. 3 to slidably receive the adjusting arms 47, which are provided with a plurality of openings 57. Secured to the adjusting bar 56 are leaf springs 58, having pins 59 secured thereto similar to the pins 19 of Fig. 4. The pins 59 extend through openings in the adjusting bar 56 to engage the openings 57 of the adjusting arms 47. A pair of rubber bands 60 are secured to the adjusting bar 56 and to the plates 46 for normally spreading the creasing bars 38 and 48 apart. The adjusting bar 56 is constructed in a pair of sections, said sections being secured together by a hinge 61, whereby the sections may be folded one upon the other. Slidable upon the adjustable bar 56 is a collar or sleeve 62, having an internally screw-threaded opening 63 for receiving a set screw 64. The sleeve 62 may be slid over the hinge 61 and engage both of the sections to prevent the device from folding when stretching and creasing trousers legs. The adjusting bar 56 is provided with a handle 65, whereby the device may be operated and also be received by the brackets 23 or 29 for supporting the device in a vertical position.

Each of the forms heretofore described may be constructed of wood or metal and are manufactured and sold in pairs, being necessary to employ two of these devices to crease and stretch a pair of trousers.

While I have shown and described the preferred embodiment of my invention, it will be understood that minor changes in construction, combination and arrangement of parts may be made without departing from the spirit and scope of the invention as claimed.

Having thus described my invention, what I claim is:—

1. A combined trousers stretcher and creaser comprising a pair of relatively spaced creasing and stretching bars, arms secured to one of the bars, relatively spaced plates secured to the arms and extending at right angles thereto, an adjusting bar carried by said arms, adjusting arms pivotally secured to the other bar and extending between said plates, means formed on the adjusting bar for slidably receiving the adjusting arms, said adjusting arms provided with a plurality of openings therein, leaf springs secured to the adjusting bar, pins carried by said leaf springs for an engagement with the openings in the adjusting arms, tension means connected to the adjusting bar and to the plates for normally holding the bars apart, and means for supporting the bars vertically to crease and stretch a trousers leg.

2. A combined trousers stretcher and creaser comprising a pair of relatively spaced creasing and stretching bars, said creasing bars provided with their outer edges beveled to form creasing edges, said bars consisting of two sections, means for hinging said sections together to allow one section to be folded upon the other section, arms secured to the inner edges of one of the bars, adjusting arms pivotally secured to the other bar, means formed on the arms for slidably receiving the adjusting arms, an adjusting bar carried by said arms, means for adjustably securing the adjusting arms to the adjusting bar, tension means connected with the adjusting bar and with the means for securing the adjusting arms to the arms to normally hold said creasing and stretching bars apart, said adjusting bar consisting of two sections, means of hinging said sections together, and means for holding the sections of the creasing and stretching bars in a rigid position.

3. A combined trousers stretcher and creaser comprising a pair of relatively spaced creasing and stretching bars, means formed on the outer edge of the bars to provide creasing edges, said bars consisting of two sections, the sections of one of the bars secured together by a flexible means, means for securing the sections of the other bar together, means for adjustably securing the bars together, tension means for normally holding the bars apart, means for holding the bars in a rigid position, and means for supporting the bars vertically to crease and stretch a trousers leg.

4. A combined trousers stretcher and creaser comprising a pair of relatively spaced creasing and stretching bars, arms pivoted to one of said bars, an adjusting bar secured to said arms, arms secured to the other creasing and pressing bar and slidably received by the adjusting bar, and tension means connected to the last mentioned arms and adjusting bar to force the creasing and pressing bars apart.

5. A combined trousers stretcher and creaser comprising a pair of relatively spaced creasing bars, arms pivoted to one of said bars, an adjusting bar adjustably secured to said arms, arms secured to the other bar and slidably received by said adjusting bar, and tension means connected to the second mentioned arms and to the adjusting bar for forcing the bars apart.

6. A combined trousers stretcher and creaser comprising a pair of relatively

spaced creasing and stretching bars, arms pivoted to one of said bars, an adjusting bar adjustably secured to said arms, arms secured to the other bar and slidably received by said adjusting bar, pairs of relatively spaced plates secured to the second mentioned arms and slidably receiving the first mentioned arms, and tension means connecting the plates and adjusting bar to force the bars apart.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY C. HUBERT.

Witnesses:
WILLIAM E. HOKE,
E. W. KLEINSCHMER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."